

## FLAGHOLE CONTROL CULVERT G-135

This structure is a single-barreled corrugated metal pipe culvert, located at the south boundary of the Flaghole Drainage District. Control is effected by stop logs in a riser at the south end of the culvert.

### PURPOSE

This structure permits discharge from the Montura Ranch Estates Reservoir during periods of excessively high stages.

### OPERATION

This structure is always closed, and request is required each time to permit discharges to pass through the Flaghole Drainage District. Flaghole Drainage District may allow South Florida Water Management District to drain as long as Tailwater is below 16.0.

### FLOOD DISCHARGE CHARACTERISTICS---None

### DESCRIPTION OF STRUCTURE

Type:	<u>Corrugated metal pipe culvert with upstream control</u>
Number of Barrels:	<u>1</u>
Size of Barrels:	<u>84 inches</u>
Length of Barrel:	<u>60 feet</u>
Flow Line Elevation:	<u>12.13 feet</u>
Crest Elevation:	<u>26.0 feet</u>
Riser Pipes:	
Diameter of Riser:	<u>112 inches</u>
Top of Riser Elevation:	<u>24.13 inches</u>
Water Level which will by-pass structure	<u>26.0 feet.</u>
Stop Logs:	
Size:	<u>7½" X 2½" X 56 3/4"</u>

The elevation of the top of the stop logs is determined by measurement down from a reference point on the top of the header, which is at elevation 24.13.

### **ELEVATION OF CONTROL WEIR**

Number of Boards in Place	Elevation of Weir Crest
0	12.13
1	12.76
2	13.39
3	14.01
4	14.63
5	15.26
6	15.89
7	16.51
8	17.13
9	17.76
10	18.39
11	19.01
12	19.64
13	20.26
14	20.88
15	21.51
16	22.13

Note: Elevation is theoretical. Use actual measurement.

**ACCESS:** The structure is reached via Flaghole Road, about 5 miles south of U.S. 27.

### **HYDROLOGIC AND HYDRAULIC MEASUREMENTS**

Water Level:           Upstream staff gauge  
                               Downstream staff gauge